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RECORDING/REPRODUCING APPARATUS AND METHOD FOR LASER POWER CONTROL DURING CAV RECORDING

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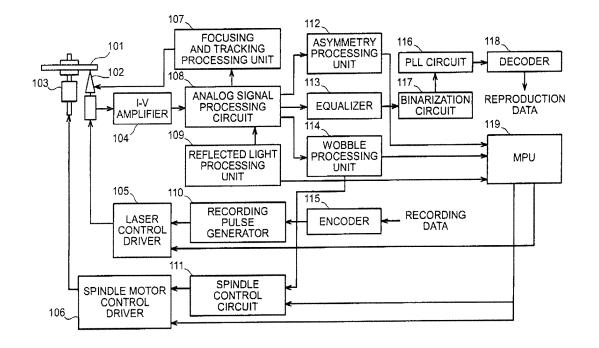
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- (57)ABSTRACT

Technology is provided allowing recording to be always conducted at the optimum laser power, regardless of the recording location on the disk. A target reflected light level (target B level) at which the optimum laser power is obtained is found by conducting test writing in a test write area, recording is started at an angular velocity corresponding to a linear velocity in the vicinity of the innermost periphery, and the rotation frequency is increased to a target rotation frequency, while controlling the laser power so as to obtain the target B level. Furthermore, the relation between the linear velocity and optimum laser power obtained at this time is recorded. The laser power may be also controlled so as to obtain the preset β value, instead of controlling the laser power so as to obtain the target B level.



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【51】國際專利分類 Int. Cl.7: G11B7/00

【54】發明名稱: 記錄再生裝置及 C A V 記錄時之雷射功率控制方法

(RECORDING APPARATUS AND ITS LASER POWER CONTROL METHOD)

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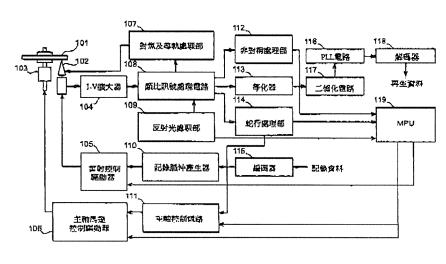
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【57】發明摘要

提供不依賴碟片的記錄位置,而能經常以最佳電射功率記錄之技術。在試寫領域中進行試寫以求 出可獲得最佳雷射功率的目標反射光位準(目標之B位準),並以相當於最內周附近線速度的角速 度開始記錄,以獲得該目標B位準來一邊控制電射功率,一邊使旋轉頻率上升至目標旋轉頻率。 又,將此時所獲得的線速度與最佳質射功率的關係予以記錄。亦可控制電射功率使其成爲事先決 定的β值,米取代控制雷射功率使其得到目標B位準。



代表圖式

101: 光碟

102: 光拾取器

103: 主軸馬達

104: I-V擴大器

105: 雷射控制驅動

槑

106: 主軸馬達控制

驅動器

107: 對焦及尋軌處

理部

108: 類比訊號處理

稱將

109: 反射光處理部

110: 記錄脈沖產生

몼

111: 主軸控制電路

112:非對稱處理部

113: 等化器

114:蛇行處理部

115:編碼器

116:PLL電路

117:二個化電路

118:解碼器

119: MPU